EX

Notice of Allowability	Application No.	Applicant(s)	
	10/712,652	SUH ET AL.	
	Examiner	Art Unit	
	Tan T. Nguyen	2827	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to the amendment filed on April 4, 2006.			
2. The allowed claim(s) is/are <u>1,3-11,13-17 and 19-26</u> .			
3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have been received.			
2. Certified copies of the priority documents have been received in Application No			
3. Copies of the certified copies of the priority documents have been received in this national stage application from the			
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:	•		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.			
5. CORRECTED DRAWINGS ("as "replacement sheets") must be submitted.			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).			
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 			
Attachment(s) 1. Notice of References Cited (PTO-892)	5 \(\sum \) Notice of Info	rmal Patent Application (PTO-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Sun		
	Paper No./M	ail Date	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/C Paper No./Mail Date	J8), 7. ∐ Examiners A	mendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		tatement of Reasons for Allowance	
-	9. Other	Junguyre	
		Tan T. Nguyen Primary Examiner Art Unit 2827	

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3.

The amendment submitted by Applicants on April 4, 2006 has been received and 1. entered.

- Claims 1, 3-11, 13-17 and 19-26 are allowed. 2.
- The following is an examiner's statement of reasons for allowance:

The closest prior art to the present invention is Choi et al. (U.S. Patent No. 5.768.191). Choi et al. disclosed methods for programming multi-state memory devices, which includes verification operation. Choi et al. failed too show or suggest the detailed structure of a program verification voltage generator in combination with a word line level selector as in claims 1, 3-4, 11, 13-16, 24-25; or the program verification voltage at an nth program unit loop cycle to be higher or lower than that for a (n-1)th program unit loop cycle as in claims 17, 19-23, 25; or the steps or repeating a program unit loop cycle of applying predetermined programming voltages to the flash memory cells, variably generating program verification voltages, verifying whether the flash memory cells are programmed or not in response to the program verification voltages, until the programming of the memory cell completed for the specific program logic level as in claims 5-10.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan T. Nguyen whose telephone number is (571) 272Application/Control Number: 10/712,652

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1789. The examiner can normally be reached on Monday to Friday from 07:00 AM to 03:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian, can be reached at (571) 272-1852. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tan T. Nguyen Primary Examiner Art Unit 2827 April 13, 2006